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<b>Notice of Allowability</b>	Application No.	Applicant(s)	
	10/611,683	VERMA ET AL.	
	Examiner	Art Unit	
	OLUBUSOLA OMOSEWO	2168	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/31/2007.
2. ☒ The allowed claim(s) is/are 56-60(renumbered as 1-5).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

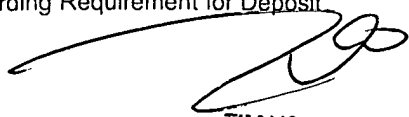
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application</li> <li>6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date <u>1/25/2008</u>.</li> <li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____</li> </ol> |
|---|--|



TIM VO  
 SUPERVISORY PATENT EXAMINER  
 TECHNOLOGY CENTER 2100

OLUBUSOLA OMOSEWO  
 Examiner  
 Art Unit: 2168

### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Wesley C. Rosander, applicant's representative on January 25, 2008

The application has been amended as follows:

**In the claims:**

Claims 1-27 and 45-55 have been cancelled.

**Claim 56 has been amended as follows:** line 39 "patent" has been changed to "parent".

### Reason for allowance

1. Claims 56-60 are allowed (renumbered as 1-5).
2. The following is an examiner's statement of reasons for allowance:

Referring to claim 56, Bendert teaches a shared file system is shared with plurality of the clients A-B, wherein each client uses (SFS) API to access any file in the (BFS) container and that a complex set of rules are then used to enforce update and avoid conflicts(see [Col. 7, lines 31-44]). Whereas the applicant's teaches each resource manager is independent from one another and independently controls or monitors resources. However, Bendert does not teach or describes a hierarchical data structure used to associate a file object with a resource manager and in specific details the steps used in determining what resource manager is used to control a resource file object opened, or if the file object itself is a root or subdirectory

resource manager. Bendert discloses a heterogeneous file management system with a common API for accessing two different file systems and with controls to ensure that the rules of each file system are not violated (See [Col. 2, lines 28-31]). Whereas the claimed invention claims for each resource manager is independent from one another, likewise determining a resource manager associated with a file in order to allow the resource manager to monitor transactional relations for that file within a volume, and all the claimed features of applicant's instant invention, specially including "based on the opening of the file object, creating a file control block that provides an in-memory data structure...subdirectory resource manager" as shown in claim 56 now renumbered as claim 1.

Referring to claim 56, Komie discloses the use and building process to containment tree representing the relationships among resource managers, which is used to determine what request/response are directed to or from a particular resource manager (See [Col. 2, lines 19-26]) such as applicant's teachings of the resource managers been independent from one another and independently control or monitor resources. However, Komie does not teach or describes a hierarchical data structure used to associate a file object with a resource manager and in specific details the steps used in determining what resource manager is used to control a resource file object opened, or if the file object itself is a root or subdirectory resource manager.

Therefore, it would not have been obvious to combine the teachings of Komie into Bendert, it is for these reasons that applicant's invention defines over prior art.

After intensive search and a thorough examination of the present application and in light of the prior art made of record, claims 56-60 (renumbered as 1-5) are allowed.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

### CONCLUSION

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to OLUBUSOLA ONI whose telephone number is 571-272-2738.

The examiner can normally be reached on 10.00-6.30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TIM VO can be reached on 571-272-3642. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



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Examiner

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